

SEQUENCE LISTING

<110> ITOH, Kyogo
 YAMADA, Akira
 SATA, Michio

 <120> PEPTIDE DERIVED FROM HEPATITIS C VIRUS

 <130> 3691-0128PUS1

 <140> US 10/573,032
 <141> 2006-03-22

 <150> PCT/JP04/14312
 <151> 2004-09-22

 <150> JP 2003-330258
 <151> 2003-09-22

 <160> 64

 <170> PatentIn version 3.1

 <210> 1
 <211> 10
 <212> PRT
 <213> Hepatitis C Virus

 <400> 1
 Tyr Leu Leu Pro Arg Arg Gly Pro Arg Leu
 1 5 10

 <210> 2
 <211> 9
 <212> PRT
 <213> Hepatitis C Virus

 <400> 2
 Arg Tyr Ala Pro Ala Cys Lys Pro Leu
 1 5

 <210> 3
 <211> 9
 <212> PRT
 <213> Hepatitis C Virus

 <400> 3
 His Tyr Ala Pro Arg Pro Cys Gly Ile
 1 5

 <210> 4
 <211> 9
 <212> PRT
 <213> Hepatitis C Virus

 <400> 4

Val Tyr Glu Ala Ala Asp Met Ile Met
1 5

<210> 5
<211> 10
<212> PRT
<213> Hepatitis C Virus

<400> 5
Val Tyr His Gly Ala Gly Ser Lys Thr Leu
1 5 10

<210> 6
<211> 10
<212> PRT
<213> Hepatitis C Virus

<400> 6
Ile Phe Leu Leu Ala Leu Leu Ser Cys Leu
1 5 10

<210> 7
<211> 10
<212> PRT
<213> Hepatitis C Virus

<400> 7
Ser Phe Ser Ile Phe Leu Leu Ala Leu Leu
1 5 10

<210> 8
<211> 9
<212> PRT
<213> Hepatitis C Virus

<400> 8
Glu Tyr Val Leu Leu Leu Phe Leu Leu
1 5

<210> 9
<211> 9
<212> PRT
<213> Hepatitis C Virus

<400> 9
Met Tyr Thr Asn Val Asp Gln Asp Leu
1 5

<210> 10
<211> 9
<212> PRT
<213> Hepatitis C Virus

<400> 10
Gln Tyr Leu Ala Gly Leu Ser Thr Leu

1 5

<210> 11
 <211> 9
 <212> PRT
 <213> Hepatitis C Virus

<400> 11
 Leu Tyr Gly Val Trp Pro Leu Leu Leu
 1 5

<210> 12
 <211> 9
 <212> PRT
 <213> Hepatitis C Virus

<400> 12
 Ala Tyr Ser Gln Gln Thr Arg Gly Leu
 1 5

<210> 13
 <211> 9
 <212> PRT
 <213> Hepatitis C Virus

<400> 13
 His Tyr Lys Leu Phe Leu Ala Arg Leu
 1 5

<210> 14
 <211> 9
 <212> PRT
 <213> Hepatitis C Virus

<400> 14
 Thr Tyr Ala Thr Tyr Gly Lys Phe Leu
 1 5

<210> 15
 <211> 9
 <212> PRT
 <213> Hepatitis C Virus

<400> 15
 Ala Tyr Met Ser Lys Ala His Gly Ile
 1 5

<210> 16
 <211> 9
 <212> PRT
 <213> Hepatitis C Virus

<400> 16
 Pro Tyr Ile Glu Gln Gly Met Gln Leu
 1 5

<210> 17

<211> 9
 <212> PRT

 <213> Hepatitis C Virus

 <400> 17
 Asn Phe Ile Ser Gly Ile Gln Tyr Leu
 1 5

 <210> 18
 <211> 9
 <212> PRT
 <213> Hepatitis C Virus

 <400> 18
 Pro Tyr Phe Val Arg Ala His Gly Leu
 1 5

 <210> 19
 <211> 9
 <212> PRT
 <213> Hepatitis C Virus

 <400> 19
 Gln Phe Lys Gln Lys Ala Ile Gly Leu
 1 5

 <210> 20
 <211> 9
 <212> PRT
 <213> Hepatitis C Virus

 <400> 20
 Ile Phe Thr Ile Thr Lys Ile Leu Leu
 1 5

 <210> 21
 <211> 10
 <212> PRT
 <213> Hepatitis C Virus

 <400> 21
 Gly Tyr Ile Pro Ile Val Gly Ala Pro Leu
 1 5 10

 <210> 22
 <211> 10
 <212> PRT
 <213> Hepatitis C Virus

 <400> 22
 Met Tyr Val Gly Gly Val Glu His Arg Leu
 1 5 10

 <210> 23
 <211> 10
 <212> PRT

<213> Hepatitis C Virus

<400> 23

His Tyr Val Gln Met Ala Leu Met Lys Leu
1 5 10

<210> 24

<211> 10

<212> PRT

<213> Hepatitis C Virus

<400> 24

Thr Tyr Val Tyr Asp His Leu Thr Pro Leu
1 5 10

<210> 25

<211> 10

<212> PRT

<213> Hepatitis C Virus

<400> 25

Gly Tyr Gly Ala Gly Val Ala Gly Ala Leu
1 5 10

<210> 26

<211> 10

<212> PRT

<213> Hepatitis C Virus

<400> 26

Ala Tyr Ala Ala Gln Gly Tyr Lys Val Leu
1 5 10

<210> 27

<211> 10

<212> PRT

<213> Hepatitis C Virus

<400> 27

Ala Tyr Ala Leu Tyr Gly Val Trp Pro Leu
1 5 10

<210> 28

<211> 10

<212> PRT

<213> Hepatitis C Virus

<400> 28

His Tyr Pro Cys Thr Val Asn Phe Thr Ile
1 5 10

<210> 29

<211> 10

<212> PRT

<213> Hepatitis C Virus

<400> 29

Tyr Tyr Arg Gly Leu Asp Val Ser Val Ile
 1 5 10

<210> 30
 <211> 10
 <212> PRT
 <213> Hepatitis C Virus

<400> 30
 Thr Phe Leu Val Gly Leu Asn Gln Tyr Leu
 1 5 10

<210> 31
 <211> 10
 <212> PRT
 <213> Hepatitis C Virus

<400> 31
 Val Phe Val Gly Leu Ile Leu Leu Thr Leu
 1 5 10

<210> 32
 <211> 10
 <212> PRT
 <213> Hepatitis C Virus

<400> 32
 Glu Phe Trp Glu Ser Val Phe Thr Gly Leu
 1 5 10

<210> 33
 <211> 10
 <212> PRT
 <213> Hepatitis C Virus

<400> 33
 Leu Phe Leu Ala Arg Leu Ile Trp Trp Leu
 1 5 10

<210> 34
 <211> 10
 <212> PRT
 <213> Hepatitis C Virus

<400> 34
 Tyr Phe Ile Thr Arg Ala Glu Ala His Leu
 1 5 10

<210> 35
 <211> 10
 <212> PRT
 <213> Hepatitis C Virus

<400> 35
 Ala Phe Thr Ala Ser Ile Thr Ser Pro Leu
 1 5 10

<210> 36
 <211> 10
 <212> PRT
 <213> Hepatitis C Virus

 <400> 36
 Asp Phe Lys Thr Trp Leu Gln Ser Lys Leu
 1 5 10

 <210> 37
 <211> 10
 <212> PRT
 <213> Hepatitis C Virus

 <400> 37
 Phe Phe Thr Glu Val Asp Gly Val Arg Leu
 1 5 10

 <210> 38
 <211> 10
 <212> PRT
 <213> Hepatitis C Virus

 <400> 38
 Ser Phe Ala Ile Lys Trp Glu Tyr Val Leu
 1 5 10

 <210> 39
 <211> 9
 <212> PRT
 <213> Hepatitis C Virus

 <400> 39
 Asp Leu Met Gly Tyr Ile Pro Leu Val
 1 5

 <210> 40
 <211> 10
 <212> PRT
 <213> Hepatitis C Virus

 <400> 40
 Leu Leu Ala Leu Leu Ser Cys Leu Thr Val
 1 5 10

 <210> 41
 <211> 8
 <212> PRT
 <213> Hepatitis C Virus

 <400> 41
 Ile Leu His Thr Pro Gly Cys Val
 1 5

 <210> 42
 <211> 9
 <212> PRT

<213> Hepatitis C Virus

<400> 42

Ser Met Val Gly Asn Trp Ala Lys Val
1 5

<210> 43

<211> 11

<212> PRT

<213> Hepatitis C Virus

<400> 43

Ser Leu Leu Ala Pro Gly Ala Lys Gln Asn Val
1 5 10

<210> 44

<211> 9

<212> PRT

<213> Hepatitis C Virus

<400> 44

Cys Ile Asn Gly Val Cys Trp Thr Val
1 5

<210> 45

<211> 9

<212> PRT

<213> Hepatitis C Virus

<400> 45

Leu Leu Cys Pro Ala Gly His Ala Val
1 5

<210> 46

<211> 10

<212> PRT

<213> Hepatitis C Virus

<400> 46

Lys Leu Val Ala Leu Gly Ile Asn Ala Val
1 5 10

<210> 47

<211> 10

<212> PRT

<213> Hepatitis C Virus

<400> 47

Thr Gly Ala Pro Val Thr Tyr Ser Thr Tyr
1 5 10

<210> 48

<211> 9

<212> PRT

<213> Hepatitis C Virus

<400> 48

Ser Leu Met Ala Phe Thr Ala Ala Val
1 5

<210> 49
<211> 10
<212> PRT
<213> Hepatitis C Virus

<400> 49
Leu Leu Phe Asn Ile Leu Gly Gly Trp Val
1 5 10

<210> 50
<211> 9
<212> PRT
<213> Hepatitis C Virus

<400> 50
Ile Leu Ala Gly Tyr Gly Ala Gly Val
1 5

<210> 51
<211> 9
<212> PRT
<213> Hepatitis C Virus

<400> 51
Ile Leu Asp Ser Phe Asp Pro Leu Val
1 5

<210> 52
<211> 10
<212> PRT
<213> Hepatitis C Virus

<400> 52
Arg Leu Ile Val Phe Pro Asp Leu Gly Val
1 5 10

<210> 53
<211> 9
<212> PRT
<213> Hepatitis C Virus

<400> 53
Gly Leu Gln Asp Cys Thr Met Leu Val
1 5

<210> 54
<211> 9
<212> PRT
<213> Hepatitis C Virus

<400> 54
Ala Leu Ala His Gly Val Arg Ala Leu
1 5

<210> 55
 <211> 9
 <212> PRT
 <213> Hepatitis C Virus

 <400> 55
 Asn Leu Pro Gly Cys Ser Phe Ser Ile
 1 5

 <210> 56
 <211> 9
 <212> PRT
 <213> Hepatitis C Virus

 <400> 56
 Ser Tyr Thr Trp Thr Gly Ala Leu Ile
 1 5

 <210> 57
 <211> 9
 <212> PRT
 <213> Hepatitis C Virus

 <400> 57
 His Tyr Arg Asp Val Leu Lys Glu Met
 1 5

 <210> 58
 <211> 9
 <212> PRT
 <213> Hepatitis C Virus

 <400> 58
 Trp Phe Met Trp Cys Leu Leu Leu Leu
 1 5

 <210> 59
 <211> 9
 <212> PRT
 <213> Hepatitis C Virus

 <400> 59
 Ala Phe Tyr Gly Val Trp Pro Leu Leu
 1 5

 <210> 60
 <211> 9
 <212> PRT
 <213> Hepatitis C Virus

 <400> 60
 Gln Phe Lys Gln Lys Ala Leu Gly Leu
 1 5

 <210> 61
 <211> 10
 <212> PRT

<213> Hepatitis C Virus

<400> 61

Gln Tyr Ser Pro Gly Gln Arg Val Glu Phe
1 5 10

<210> 62

<211> 10

<212> PRT

<213> Hepatitis C Virus

<400> 62

Gln Phe Lys Gln Lys Ala Leu Gly Leu Leu
1 5 10

<210> 63

<211> 11

<212> PRT

<213> Human Immunodeficiency Virus

<400> 63

Arg Tyr Leu Arg Asp Gln Gln Leu Leu Gly Ile
1 5 10

<210> 64

<211> 9

<212> PRT

<213> Human Immunodeficiency Virus

<400> 64

Ser Leu Tyr Asn Thr Val Ala Thr Leu
1 5